

AMENDMENTS TO THE CLAIMS

1. **(Currently amended)** A process for amplifying TALL-104 lymphocytes in a homogeneous system within a multi-chamber stack, single fermentation unit comprising:
adding into the multi-chamber stack an inoculum of at least 0.7×10^6 cells/ml in an initial volume of 1/10 to 1/6 of the multi-chamber stack final volume;
amplifying the cell number by adding a volume of complete medium corresponding to that contained in the multi-chamber stack; and
recovering at least 1×10^9 cells grown in homogeneous conditions.
~~the expansions of TALL lymphocytes, wherein at least 1×10^9 cells are grown in homogeneous conditions in a single fermentation unit.~~
2. **(Canceled)**
3. **(Canceled)**
4. **(Canceled)**
5. **(Currently amended)** The process as claimed in claim 13, wherein said process for amplifying TALL-104 lymphocytes ~~the expansion in the homogeneous system~~ is preceded by a process of pre-expansion in a flask until obtaining a number of cells in an amount comprised ~~comprised~~ from 0.7 to 1×10^8 .
6. **(Currently amended)** The process as claimed in claim 15, wherein the cellular density of the inoculum is at least 0.7×10^6 cells/ml ~~and is preferably equal to 0.75×10^6 cells/ml~~ and, at the harvest time, the density is lower than 2×10^6 cells/ml, ~~preferably than 1×10^6 .~~
7. **(Currently amended)** The process as claimed in claim 1 [[4]], wherein the multi-chamber stack Cell-Factory™ is a 10-chamber unit.
8. **(Currently amended)** The process as claimed in claim 1, wherein said TALL-104 lymphocytes are selected from the group consisting of: TALL-104, TALL-107, TALL-103/2 cell lines, optionally genetically modified.
9. **(Canceled)**
10. **(Currently amended)** The process as claimed in Claim 1, wherein the complete culture medium in the multi-chamber stack cell-factory amplification phase also comprises 10% maximum human serum, ~~preferably in the range of 4 to 6%, still more preferably of 5%, and~~ interleukin in a concentration comprised from 80 to 120 IU/ml.

11. **(Currently amended)** The process as claimed in claim 10, wherein interleukin-2 is added to the cell culture every 48-90 hrs.

12. **(Currently amended)** The process as claimed in claim 10, wherein the cell amplification growth in the homogeneous system takes place in an antibiotic-free culture medium.

13. **(Currently amended)** A process for the preparation of frozen bags of TALL-104 lymphocytes in an amount of at least 1×10^9 cells, wherein comprising using the process according to Claim 1 is used.

14. **(Previously presented)** The process as claimed in claim 13, wherein the bag is sealed transversally to a the bag filling collet at least in two points to create at least a sampling chamber containing a cell culture volume ranging from 0.1 to 1 ml, physically separated from the culture contained in the bag to perform quality controls.

15. **(Currently amended)** A process for the preparation of a therapeutic dose of at least 1×10^9 TALL-104 lymphocytes in a homogeneous culture comprising using the process according to Claim 1.

16. **(Canceled)**

17. **(Withdrawn, currently amended)** TALL-104 lymphocytes obtainable according to the process of Claim 1 wherein said lymphocytes are characterised by a $CD3^+$ and $CD8^+$ immunologic markers expression of 98% min, preferably $\geq 99\%$, and by the $CD56^+$ marker expression of 95% at least, preferably $\geq 97\%$.

18. **(Withdrawn, currently amended)** TALL-104 lymphocytes according to claim 17 characterised by a biological activity, determined by a cytotoxicity assay on appropriate target cells, equal to at least 70% of the control.

19.-24. **(Canceled)**

25. **(New)** The process as claimed in claim 10 wherein said complete culture medium comprises 4-6% human serum.

26. **(New)** A process according to claim 10, wherein said TALL-104 lymphocytes are genetically modified.

27. **(New)** The process as claimed in claim 26, wherein the bag is sealed transversally to a bag filling collet at least in two points to create at least a sampling chamber containing a cell

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culture volume ranging from 0.1 to 1 ml, physically separated from the culture contained in the bag to perform quality controls.

28. (New) The process of claim 15, wherein the complete culture medium in the cell-factory amplification phase also comprises 10% maximum human serum and interleukin in a concentration from 80 to 120 IU/ml.